

<p>2004-228378/22 B05 D21 E15 (D13) BADI 2002.07.24 BAS F AG *DE 10233740-A1 2002.07.24 2002-1033740(+2002DE-1033740) (2004.02.05) C07D 311/72, A23L 1/302, A61K 7/00, 7/40, 7/48, 9/10, C09K 15/04, A61K 31/355, 31/375, 31/59, C07C 403/00, C07D 307/62 Stable retinoid-containing preparations for use in cosmetics or pharmaceutical or food compositions, especially skin-care products, contain water-soluble and oil-soluble antioxidants C2004-089846</p>	<p>NOVELTY A preparation containing a retinoid at 1 wt. part also contains (a) a water-soluble antioxidant at ≥ 1 wt. part; and (b) an oil-soluble antioxidant at 0.1-100 wt. parts, the amount of (A), based on the total composition wt., being 0.05-0.8%.</p> <p>ACTIVITY Dermatological.</p> <p>MECHANISM OF ACTION None given in the specification.</p> <p>USE</p>
<p>B(3-A, 3-F, 3-H, 12-M2, 14-N17, 14-R5) D(3-H, 8-B9A1) E(6-A1, 7-A2B, 10-E4B) .6</p> <p>As an O/W, W/O or multi-emulsion for use in cosmetics or pharmaceutical or food compositions, especially as skin-care product (claimed). Exemplified products include skin lotions, hand creams, sunscreens, gels, cooling body splashes and make-up.</p> <p>ADVANTAGE A stable, non-discoloring product is provided.</p> <p>EXAMPLE An O/W emulsion useful as a skin lotion comprised by wt. ascorbic acid (0.2%), Retinol 15D (RTM) (0.2%) and tocopherol (0.1%), together with cetareth-6 and stearyl alcohol (2.5%), cetareth- 25 (2.5%), hydrogenated cocoglyceride (1.5%), PEG-40 dodecylglycol copolymer (3%), dimethicone (2%), phenethyl dimethicone (2%), cyclomethicone (1%), cetearyl octanoate 5%, avocado oil (1%), almond oil (2%), wheat germ oil (0.8%), USP panthenol (1%), phytantriol (0.2%), vitamin E acetate (0.3%), propyleneglycol (5%) and perfume/preservative/water (balance).</p>	<p>DE 10233740-A+</p>

TECHNOLOGY FOCUS

Organic Chemistry - Preferred Materials The retinoid is all-trans-retinol; (A) is L-ascorbic acid or salt; and (B) is α -tocopherol. Preferred Composition: The preparation contains (per wt. part retinoid) antioxidant (A) at 2-3 wt. parts and antioxidant (B) at 8-10 wt. parts, with the retinol being all-trans-retinol at 0.005-0.5 wt.%. The preparation is packaged in an oxygen-impermeable container without addition of a protective gas, the container especially being an aluminum tube internally provided with a protective lacquer. (13pp1958DwgNo.0/0)

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